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PATENT

Attorney Docket No. IMAGE.011A

Date: July 1, 2002

TECHNOLOGY CENTER R3700

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ben Arnold

Appl. No. : 09/989,995

Filed : November 21, 2001

For : HYBRID CALIBRATION OF
TISSUE DENSITIES IN
COMPUTERIZED TOMOGRAPHY

Examiner : Unknown

Group Art Unit 1887
TECHNOLOGY CENTER R3700

CERTIFICATE OF MAILING

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envelope addressed to: United States
Patent and Trademark Office, P.O. Box
2327, Arlington, Virginia 22202, USA

July 1, 2002

(Date)

Jerry T. Sewell
Jerry T. Sewell, Reg. No. 31,567

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TRANSMITTAL LETTER

UNITED STATES PATENT AND TRADEMARK OFFICE Technology Center 2600
P.O. Box 2327
Arlington, Virginia 22202

Dear Sir:

Applicant hereby submits for filing in the above-identified application:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with sixty-seven (67) references.
- (X) A return prepaid postcard.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Jerry T. Sewell
Jerry T. Sewell
Registration No. 31,567
Attorney of Record

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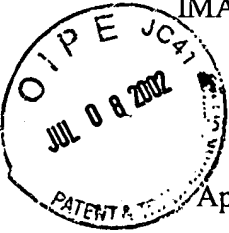
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TC 3700 MAIL ROOM

IMAGE.011A



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App. No. : 09/989,995
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Group Art Unit 3754 R3700

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INFORMATION DISCLOSURE STATEMENT

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

Applicant encloses a form PTO-1449 listing 67 references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: July 1, 2002

By: Jerry T. Sewell

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949-760-0404

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TC 3700 MAIL ROOM

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
IMAGE.011AAPPLICATION NO.
09/989,995INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Ben A. ArnoldFILING DATE
November 21, 2001

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GROUP
Unknown

TECHNOLOGY CENTER R3700

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	2,399,650	05/07/46	H.P. Moyer			
	2,426,884	09/02/47	J. Kieffer			
	3,705,383	12/05/72	Fraye			
	3,944,830	03/16/76	Dissing			
	4,115,691	09/19/78	Oldendorf			
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	4,124,799	11/07/78	Schittenhelm			
	4,233,507	11/11/80	Volz			
	4,400,827	08/23/83	Spears			
	4,475,122	10/02/84	Green			
	4,593,400	06/03/86	Mouyen			
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	4,649,561	03/10/87	Arnold			
	4,721,112	01/26/88	Hirano et al.			
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	4,811,373	03/07/89	Stein			
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EXAMINER

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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. IMAGE.011A	APPLICATION NO. 09/989,995
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Ben A. Arnold	
		FILING DATE November 21, 2001	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,122,664	06/16/92	Ito et al.			
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	5,138,553	08/11/92	Lanza et al.			
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	5,852,647	12/22/98	Schick et al.			
	6,320,931	11/20/01	Arnold			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	EP 0 253 742 A1	01/20/88	Europe (Tanguy et al.)			YES NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	F.H.W. Heuck, <i>Quantitative Measurements of Mineral Content in Bone Disease</i> , <u>Symposium Ossium</u> , Session 10, E.S. Livingstone, Edingburgh, Scotland, 1970, pages 141-147.
	Robert H. Heil, Jr., et al., <i>Quantitative Materials Evaluation and Inspection with the Image Analysing Computer</i> , <u>Proceedings of the Society of Photo-Optical Instrumentation Engineers</u> , February 1972, pages 131-143.
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		APPLICANT Ben A. Arnold	TECHNOLOGY CENTER R3700
		FILING DATE November 21, 2001	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Technical Note, <i>Automatic Outlining Technique for EMI Scanner Pictures</i> , <u>Medical & Biological Engineering & Computing</u> , Vol. 17, September 1979, pages 693-694.
	Christopher E. Cann et al., <i>Precise Measurement of Vertebral Mineral Content Using Computed Tomography</i> , <u>Journal of Computer Assisted Tomography</u> , Vol. 4, No. 4, August 1980, pages 493-500.
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	Robert A. Kruger et al., <i>Dual Energy Film Subtraction Technique for Detecting Calcification in Solitary Pulmonary Nodules</i> , <u>Radiation Physics</u> , Vol. 140, July 1981, pages 213-219.
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	K-P Hermann et al., <i>Polyethylene-based Water-equivalent Phantom Material for X-ray Dosimetry at Tube Voltages from 10 to 100kV</i> , <u>Phys. Med. Biol.</u> , Vol. 30, No. 11, 1985, pages 1195-1200.
	S.J. Zeichner et al., <i>Quantitative Digital Subtraction Radiography: A Clinical Method for Bone Mineral Determination</i> , <u>Transactions of the Fifth International Workshop on Bone and Soft Tissue Densitometry Using Computed Tomography</u> , The University of Pennsylvania, October 14-18, 1985, one page.
	S. Serpico et al., <i>Evaluation and Standardization in Bone Densitometry</i> , <u>Transactions of the Fifth International Workshop on Bone and Soft Tissue Densitometry Using Computed Tomography</u> , The University of Pennsylvania, October 14-18, 1985, page 75.
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	R.E. Baldy et al., <i>A Fully-Automated Computer Assisted Method of CT Brain Scan Analysis for the Measurement of Cerebrospinal Fluid Spaces and Brain Absorption Density</i> , <u>Neuroradiology</u> , Vol. 28, 1986, pages 109-117.
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	Marketing Materials from General Electric distributed in 1987, four pages.
	John Max Vogel, <i>Application Principles and Technical Consideration in SPA</i> , <u>Proceedings Osteoporosis Update</u> , Harry Jerant ed., Radiology Research and Education Foundation, University of California, 1987, pages 219-231.
	Willi A. Kalender et al., <i>Vertebral Bone Mineral Analysis: An Integrated Approach with CT</i> , <u>Radiology</u> , 1987, Vol. 164, No. 2, August 1987, pages 419-423.
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